

SEQUENCE LISTING

(1) GENERAL INFORMATION

- 5 (i) APPLICANTS: Kang-Hung Lee
Chi-Horng Bair
Yang-Yuan Tseng
Yih-Weng Wang
Shing-Hwan Wang
- 10 (ii) TITLE OF THE INVENTION: METHODS FOR DETECTING AND
DIFFERENTIATING ENTEROVIRUSES AND THE PRIMERS AND PROBES
THEREFOR
- 15 (iii) NUMBER OF SEQUENCES: 11
- (iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE:
(B) STREET:
20 (C) CITY:
(D) STATE:
(E) COUNTRY:
(F) ZIP:
- 25 (v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Diskette
(B) COMPUTER: IBM Compatible
(C) OPERATING SYSTEM:
(D) SOFTWARE:
- 30 (vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER:
(B) FILING DATE: -Nov-2000
- 35 (vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER:
(B) FILING DATE:
- 40 (viii) ATTORNEY/AGENT INFORMATION:
(A) NAME:
(B) REGISTRATION NUMBER:
(C) REFERENCE/DOCKET NUMBER:
- 45 (ix) TELECOMMUNICATION INFORMATION:
(A) TELEPHONE:
(B) TELEFAX:
(C) TELEX:

(2) INFORMATION FOR SEQ ID NO:1:

- 50 (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 1560 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: double strand
55 (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA
- (vi) Original Source:
60 (A) Organism: enterovirus enterovirus type 71 (BrCr)
- (IX) Feature:
(A) NAME/KEY:

(B) LOCATION:1..1560

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

5

ttaaaacagc	tgtgggttgt	caccacacca	Cagggtcac	tgggcgctag	tacactggta	60
tctcggtacc	tttgtacgcc	tgttttatac	Cccctccctg	atttgcaact	tagaagcaac	120
gcaaaccaga	tcaatagtag	gtgtgacata	Ccagtcgcat	cttgatcaag	cacttctgta	180
tccccggacc	gagtatcaat	agactgtgca	cacggttgaa	ggagaaaacg	tccggttacc	240
ggctaactac	ttcgagaagc	ctagtaacgc	cattgaagtt	gcagagtgtt	tcgctcagca	300
ctccccccgt	gtagatcagg	tcgatgagtc	accgcattcc	ccacgggcga	ccgtggcggt	360
ggctgcgttg	gcggcctgcc	tatggggtaa	cccataggac	gctctaatac	ggacatggcg	420
tgaagagtct	attgagctag	ttagtagtcc	tccggcccct	gaatgcggct	aatcctaact	480
attatacaca	tacccttaat	ccaaagggca	gtgtgtcgta	acgggcaact	ctgcagcgga	540
accgactact	ttgggtgtcc	gtgtttcttt	ttattcttgt	attggctgct	tatggtgaca	600
attaaagaat	tgttaccata	tagctattgg	attggccatc	cagtgtcaaa	cagagctatt	660
gtatatctct	ttgttggtatt	cacacctctc	actcttgaaa	cgttacacac	cctcaattac	720
attatactgc	tgaacacgaa	gcgatgggct	cccaggtctc	cacacagcga	tccggtctgc	780
atgagaattc	caactcagcc	acggaaggct	ccactataaa	ttacacaacc	attaattact	840
acaaagactc	gtatgctgcc	actgctggaa	agcaaagtct	caaa aa agat	cctgacaagt	900
ttgcgaaccc	tgtgaaggac	atctttactg	aaatggcagc	gcccttaaag	tctccctctg	960
ctgaagcatg	tggctatagc	gaccgagtgg	cacagcttac	cattggaaat	tccaccatta	1020
ctacacaaga	agcagcaaac	ataatagttg	ggtatggtga	gtggccttca	tactgctctg	1080
ataatgatgc	aacagcggta	gacaaacctc	cacggcctga	tgtctcagta	aatagatttt	1140
acacgctaga	cactaagcta	tgggagaaat	catccaaggg	gtggtactgg	aagttccag	1200
atgtactgac	tgaacccgga	gtttttggtc	caaatgcaca	atttcactac	ttataccggt	1260
caggggttctg	catccacgtt	caatgtaacg	ctagcaaatt	tcaccaaggg	gcgctactcg	1320
ttgcggtatt	gccccagtat	gtcattggaa	cagtggcagg	cggcacaggc	acagagaaca	1380
gtcaccctcc	ttataaacaa	acccaaccog	gcgctgatgg	atttgaatta	caacatccat	1440
atgttcttga	tgctggaatt	ccaatatctc	agttgacagt	gtgccctcac	cagtggatca	1500
atttacgaac	caacaattgt	gccaccataa	tagtgccata	catgaacaca	ctaccttttg	1560

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

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- (A) LENGTH: 16 bases
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: synthetic DNA

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

ttgtrcgcct gtttta 16

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(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:

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- (A) LENGTH: 21 bases
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: synthetic DNA

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

caagcacttc tgthhccccg g 21

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(2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 19 bases

(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

5 (ii) MOLECULE TYPE: synthetic DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

tacttcgaga arccyagta

19

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(2) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS:

15 (A) LENGTH: 17 bases
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

20 (ii) MOLECULE TYPE: synthetic DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

aagagycatat tgagcta

17

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(2) INFORMATION FOR SEQ ID NO:6:

(i) SEQUENCE CHARACTERISTICS:

30 (A) LENGTH: 20 bases
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: synthetic DNA

35 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

ggitggtrst ggaartticc

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(2) INFORMATION FOR SEQ ID NO:7:

(i) SEQUENCE CHARACTERISTICS:

45 (A) LENGTH: 19 bases
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: synthetic DNA

50 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

cacyggatgg ccaatccaa

19

(2) INFORMATION FOR SEQ ID NO:8:

55

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 20 bases
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: synthetic DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

5 attgtcacca taagcagcca 20

(2) INFORMATION FOR SEQ ID NO:9:

10 (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 20 bases

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

15 (ii) MOLECULE TYPE: synthetic DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

20 arrttiatcc aytgrtgigg 20

(2) INFORMATION FOR SEQ ID NO:10:

25 (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 27 bases

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

30 (ii) MOLECULE TYPE: synthetic DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

tcctccggcc cctgaatgcg gctaatac 27

35 (2) INFORMATION FOR SEQ ID NO:11:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 33 bases

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

40 (ii) MOLECULE TYPE: synthetic DNA

45 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:

tgtcgtaacg sgcaastcyg yrgcggaacc gac 33

50 (2) INFORMATION FOR SEQ ID NO:12:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 28 bases

(B) TYPE: nucleic acid

55 (C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: synthetic DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:

tactttgggt gtccgtgttt chttttat

28

5 (2) INFORMATION FOR SEQ ID NO:13:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 30 bases
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

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(ii) MOLECULE TYPE: synthetic DNA

15 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:

cttataagca gactcaaccc ggtgctgatg

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(2) INFORMATION FOR SEQ ID NO:14:

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(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 28 bases
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

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(ii) MOLECULE TYPE: synthetic DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:

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tggcattcca atatcacaat taacagtg

28

(2) INFORMATION FOR SEQ ID NO:15:

35 (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 30 bases
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

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(ii) MOLECULE TYPE: synthetic DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:

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ctcggcacta tcgcaggagg gaccgggaat

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(2) INFORMATION FOR SEQ ID NO:16:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 30 bases
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

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55 (ii) MOLECULE TYPE: synthetic DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:16:

cctacgccac tacacagcct ggtcaggttg

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